ELSEVIER

Performance Evaluation 31 (1998) 323–324

PERFORMANCE EVALUATION
An International Journal

Author Index Volume 31

(The issue number is given in front of the page numbers)

Abate, J., G.L. Choudhury and **W. Whitt,** Numerical inversion of multidimensional Laplace transforms by the Laguerre method (3–4) 229–243
Akyildiz, I.F., J. Liebeherr and **i. Nikolaidis,** Multi-level rate-based flow control for ABR traffic (1–2) 107–131
Alfa, A.S., *see* Diamond, J.E. (3–4) 201–210

Borst, S.C. and **R.D. van der Mei,** Waiting-time approximations for multiple-server polling systems (3–4) 163–182

Cavendish, D., *see* Mascolo, S. (1–2) 51– 65
Celandroni, N., Analysis of transient of the datagram traffic for a demand assignment TDMA satellite access scheme (3–4) 301–319
Chakravarthy, S., S. Chukova and **B. Dimitrov,** Analysis of MAP/M/2/K queueing model with infinite resequencing buffer (3–4) 211–228
Choudhury, G.L., *see* Abate, J. (3–4) 229–243
Chukova, S., *see* Chakravarthy, S. (3–4) 211–228

Diamond, J.E. and **A.S. Alfa,** Matrix analytical model of an ATM output buffer with self-similar traffic (3–4) 201–210
Dimitrov, B., *see* Chakravarthy, S. (3–4) 211–228
Duffield, N.G., Conditioned asymptotics for tail probabilities in large multiplexers (3–4) 281–300

Feldmann, A. and **W. Whitt,** Fitting mixtures of exponentials to long-tail distributions to analyze network performance models (3–4) 245–279

Gelenbe, E., S. Kotia and **D. Krauss,** Call establishment overload in large ATM networks (1–2) 33– 49
Gerla, M., *see* Mascolo, S. (1–2) 51– 65

Herzog, U., *see* Ulrich, R. (3–4) 183–199

Jain, R., S. Kalyanaraman and **R. Viswanathan,** The OSU scheme for congestion avoidance in ATM networks: Lessons learnt and extensions (1–2) 67– 88

Kalyanaraman, S., *see* Jain, R. (1–2) 67– 88
Kolarov, A. and **G. Ramamurthy,** Comparison of explicit rate and explicit forward congestion indication flow control schemes for ABR service in wide area networks (1–2) 89–106
Kotia, S., *see* Gelenbe, E. (1–2) 33– 49
Krauss, D., *see* Gelenbe, E. (1–2) 33– 49
Kritzinger, P., *see* Ulrich, R. (3–4) 183–199

Lam, S.S. and G.G. Xie, Burst scheduling networks (1–2) 133–157
Liebeherr, J., *see* Akyildiz, I.F. (1–2) 107–131

Makrucki, B.A., A connection admission control for variable bit rate connections in ATM (1–2) 3– 31
Mascolo, S., D. Cavendish and **M. Gerla,** ATM rate-based congestion control using a Smith Predictor (1–2) 51– 65

Nikolaidis, I., *see* Akyildiz, I.F. (1–2) 107–131

Ramamurthy, G., *see* Kolarov, A. (1–2) 89–106

Ulrich, R., U. Herzog and **P. Kritzinger,**
Modeling buffer utilization in cell-based networks (3–4) 183–199

van der Mei, R.D., *see* Borst, S.C. (3–4) 163–182
Viswanathan, R., *see* Jain, R. (1–2) 67– 88

Whitt, W., *see* Abate, J. (3–4) 229–243
Whitt, W., *see* Feldmann, A. (3–4) 245–279

Xie, G.G., *see* Lam, S.S. (1–2) 133–157

ELSEVIER

Performance Evaluation 31 (1998) 325

PERFORMANCE EVALUATION
An International Journal

Subject Index to Volume 31

ABR service 89
Accelerated summation 229
Admission control 3, 133
Algorithmic probability 211
Anisochronous traffic 301
ATM 201
ATM admission control 183
ATM block transfer 133
ATM congestion control 51
ATM networks 33, 67, 107
Available-bit-rate (ABR) 107

Bandwidth allocation 107
Block loss rate 133
Block transfer delay 133
Broadband WAN 89
Brownian motion 3

Call admission control 33
Communication networks 245
Congestion control 67, 107
Cyclic service 163

Delay guarantee 133
Demand assignment TDMA 301
Discrete-time models 183

End to end flow control 51
Event-driven simulation 183
Exponential services 211

Fairness 107
Fast Fourier transform 229
Finite queue 211
Firewall property 133
Flow control 89
Flow specification 133
FODA/IBEA 301

Heavy-tail distribution 245

Laguerre polynomials 229
Laplace transforms 229
Large deviations 281
Long propagation delay 51
Long-tail distribution 245

Markov processes 281
Markovian arriavals 211
Matrix geometric methods 201
Matrix-geometric solution 211
Multidimensional Laplace transforms 229
Multiple servers 163

Numerical transform inversion 229

Packet scheduling 133
Packet switching 133
Phase type 211
Phase-type arrival processes 183
Polling system 163

Quality of service 3
Queueing 201
Queueing theory 281

Resource allocation 67

Satellite access scheme 301
Self-similar traffic 201
Signalling 33
Switch algorithms 67

Traffic control 107
Traffic management 67
Traffic measurements 245
Traffic modelling 245
Transient analysis 301
Transient behavior 281

Unfinished work analysis 183

Variable bit rate service 133

Waiting-time approximations 163
Weeks' algorithm 229
Wynn's ϵ-algorithm 229